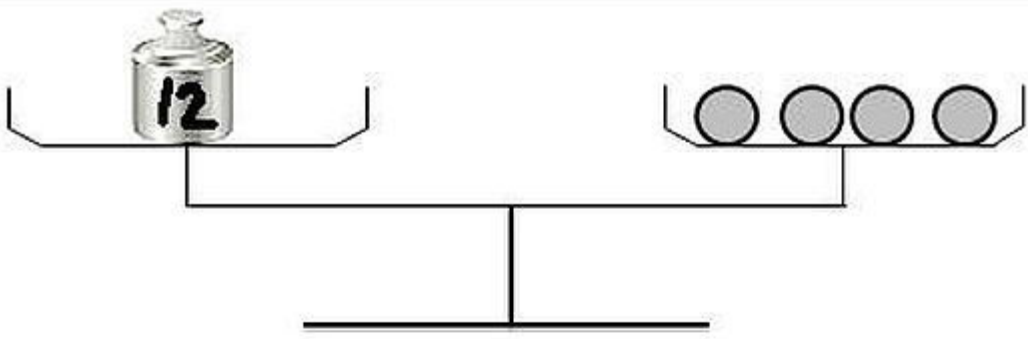
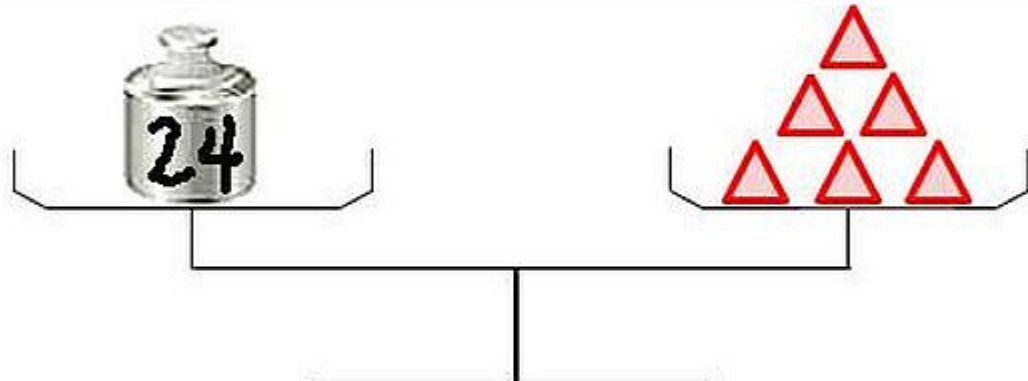


Algebra Balance Scale Activity



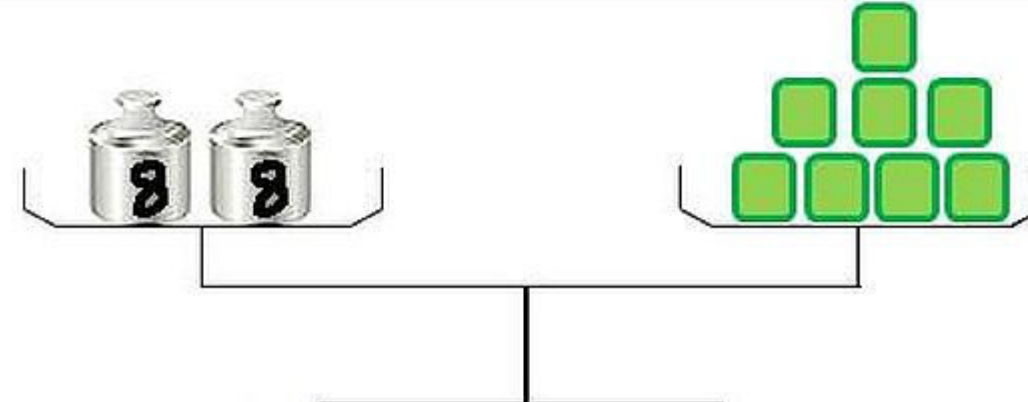
A balance scale is shown in equilibrium. The left pan contains a single weight labeled "12". The right pan contains four identical circles. The scale is balanced, indicating that the weight of the four circles is equal to 12.

How much does each circle weigh? _____



A balance scale is shown in equilibrium. The left pan contains a single weight labeled "24". The right pan contains six identical triangles arranged in a triangular pattern (1 on top, 2 in the middle, 3 on the bottom). The scale is balanced, indicating that the weight of the six triangles is equal to 24.

How much does each triangle weigh? _____



A balance scale is shown in equilibrium. The left pan contains two identical weights, each labeled "8". The right pan contains seven identical squares arranged in a triangular pattern (1 on top, 2 in the middle, 4 on the bottom). The scale is balanced, indicating that the weight of the seven squares is equal to 16.

How much does each square weigh? _____